Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/24/2017 10:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124690	-1	1.81	124547	1.74
Blue	F	SSC	125000	124356	-1	3.02	124642	2.81
Blue	E	FITC	23795	22965	-4	2.78	1022	10.38
Blue	D	PE	29673	28968	-3	2.36	1042	10.00
Blue	B	PerCP-Cy5-5	48943	47883	-3	3.67	1377	17.57
Blue	A	PE-Cy7	44112	43939	-1	5.43	672	37.43
Red	C	APC	54273	53585	-2	2.75	3095	9.61
Red	A	APC-Cy7	54945	54054	-2	2.76	1122	11.32
Violet	B	V450	15756	15080	-5	4.00	722	8.94
Violet	A	V500	62569	61866	-2	3.71	2739	6.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19661	3.76	614	0	N/A	N/A	Pass
Blue	F	SSC	61482	1.73	548	2	N/A	N/A	Pass
Blue	E	FITC	114	39.65	550	0	0.0207	186	Pass
Blue	D	PE	228	30.17	548	2	0.1623	287	Pass
Blue	B	PerCP-Cy5-5	212	46.33	639	0	0.0093	67	Pass
Blue	A	PE-Cy7	72	126.69	696	-3	0.0108	16	Pass
Red	C	APC	361	27.92	599	-1	0.0194	47	Pass
Red	A	APC-Cy7	123	40.95	577	-7	0.0054	1544	Pass
Violet	B	V450	88	41.10	475	3	0.0460	1749	Pass
Violet	A	V500	199	22.66	504	5	0.0138	310	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.37	-30.86	0.87
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.82	13.27 - 19.91	N/A	N/A	30.99	31.44	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10096

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments